

In The Specification:

Page 7, after line 20, please add the following paragraphs”

–The receiver measurement transmitter may be a vortex measuring device and the transmitting measurement transmitter may be a pressure measuring device, which determine, respectively, flow velocity and pressure in a medium.

Installed in the vortex measuring device is a flow computing unit, which determines, from the flow velocity of the medium or from the pressure value and flow velocity of the medium, a derived, measured value (e.g. a value for heat flux). The vortex measuring device contains an additional, installed, temperature sensor.

Alternatively, installed in the vortex measuring device is a flow computing unit, which determines from the flow velocity of the medium, the temperature value and the pressure, a derived, measured value (e.g. heat flux value or mass flow value).

Also alternatively, installed in the measuring device is a flow computing device which determined from the flow velocity of the medium, the temperature value of the temperature sensor of the vortex measuring device and the temperature value of the temperature measuring device, a derived, measured variable (e.g. energy drain).

Also alternatively, in the receiver measurement transmitter is a vortex measuring device and the transmitting measurement transmitter is a temperature measuring device, which determine, respectively, flow velocity and temperature in a medium.

Also alternatively, in the vortex measuring device, a flow computing unit is installed, which determines from the flow velocity of the medium and the temperature, a derived, measured variable (e.g. heat flux value or mass flow value, for liquids or saturated steam). The receiver measurement transmitter accepts and evaluates signals from more than one transmitting measurement transmitter.

Also, the receiver measurement transmitter may be a Coriolis flow measuring device, an ultrasonic flow measuring device or a magneto-inductively or thermally working, flow measuring device. --